

Patent claims

1. A deflecting roller (1) for a traction mechanism drive, composed of an annular body (4), against
5 the lateral surface (4.2) of which a traction mechanism, in particular a belt, bears, having a rolling bearing (2) which is composed of an inner ring (5) and an outer ring (3), wherein the outer ring (3) is enclosed by a holding bore of the
10 annular body (4), and the deflecting roller (1) is fixed to a screw-on surface by means of a fastening screw (12) which extends through a holding bore of the inner ring (5) and a holding bore of a spacer sleeve (10), wherein the distance
15 between the screw-on surface and the deflecting roller (1) is determined by the axial extent of the spacer sleeve (10) which is held against the deflecting roller (1) by means of a transport securing means, **characterized** in that a guide collar (10.5) of the spacer sleeve (10) is held by
20 the holding bore (5.1) of the inner ring (5), and the guide collar (10.5) has a recess (10.4) in which an elastic holding element (11) is inserted, said elastic holding element (11) bearing against
25 the holding bore (5.1) of the inner ring (5) under preload.
2. The deflecting roller (1) as claimed in claim 1,
characterized in that the holding element (11) is
30 formed as a slotted holding ring.
3. The deflecting roller (1) as claimed in claim 1,
characterized in that the holding element (11) is
formed as a plastic O-ring.
- 35 4. The deflecting roller (1) as claimed in claim 1,
characterized in that, in the region of its screw head (12.2), the fastening screw (12) is centered

by means of a guide step (12.3) which is fitted into the holding bore (5.1) of the inner ring (5).

5. The deflecting roller (1) as claimed in claim 1,
5 **characterized** in that a shoulder (10.3) of the
spacer sleeve (10) is supported against an end
side of the inner ring (5).
6. The deflecting roller (1) as claimed in claim 1,
10 **characterized** in that the spacer sleeve (10) is
produced from an aluminum material.
7. The deflecting roller (1) as claimed in claim 1,
15 **characterized** in that the rolling bearing (2) is
formed as a single-row deep groove ball bearing
which is sealed off at both sides and whose ball
bearings (7) are guided in a cage (6).